

Type:	TRE FASER	Serial Number:	150G1318214	page 1/1	
Référence Produit:	01347ANR03	Losses level:	AoCk	Year:	2018
Power:	500 kVA	Dielectric weight :	265 kg	Fréquency:	50 Hz
Standard:	IEC 60076 EN 50588-1 R(UE) N°548/2014				
Cooling:	ONAN	Total weight:	1460 kg	Dielectric:	OLJE
				Connection symbol:	Dyn11

Windings	Nature	Tappings							I (A) RATED
		1	2	3	4	5	6	7	
HV	Aluminium	11550V	11275V	11000V	10725V	10450V	10175V	9900V	26,24
LV	Aluminium	415V							696

DIELECTRICAL TEST

SEPARATE SOURCE VOLTAGE				INDUCE VOLTAGE			
	kV	F	Time (s)	Supply	Volts	F (Hz)	Time (s)
LV / HV + ground	3	50	60	On LV side	830	200	30
HV / LV + ground	28	50	60				

WINDING RESISTANCE MEASUREMENT

Nominal tapping	HV (Ω)				LV (m Ω)		
	AB	BC	CA		ab	bc	ca
	2,465	2,454	2,461		2,296	2,345	2,314

TRANSFORMER RATIO MEASUREMENT

TAPPING	VOLTAGE		Theoretical values	Measured values
	HV	LV		
1	11550V	415V	48,20	48,21
2	11275V		47,06	47,07
3	11000V		45,91	45,90
4	10725V		44,76	44,75
5	10450V		43,61	43,61
6	10175V		42,47	42,47
7	9900V		41,32	41,32

LOSSES MEASUREMENT

TAPPING	HV	Contractual values	Tolerance
No-load losses	502W	510W	Max
No-load current	0,15%		
Load losses at 75°C	5448W	5500W	Max
Total losses	5950W	6010W	Max
Impedance voltage at 75 °C	4,23%	4,00%	± 10%

Conclusion : Results of measurements and above mentioned tests are satisfactory.

Installation and commissioning guide Nr : 4087900R03

Observation :Transformer free of PCB.

La Garde:

Le Responsable des Essais :

H - MOLINARI



Version	Date	Modification
00	30 mai 2018	Initial report

Medium Voltage Division
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